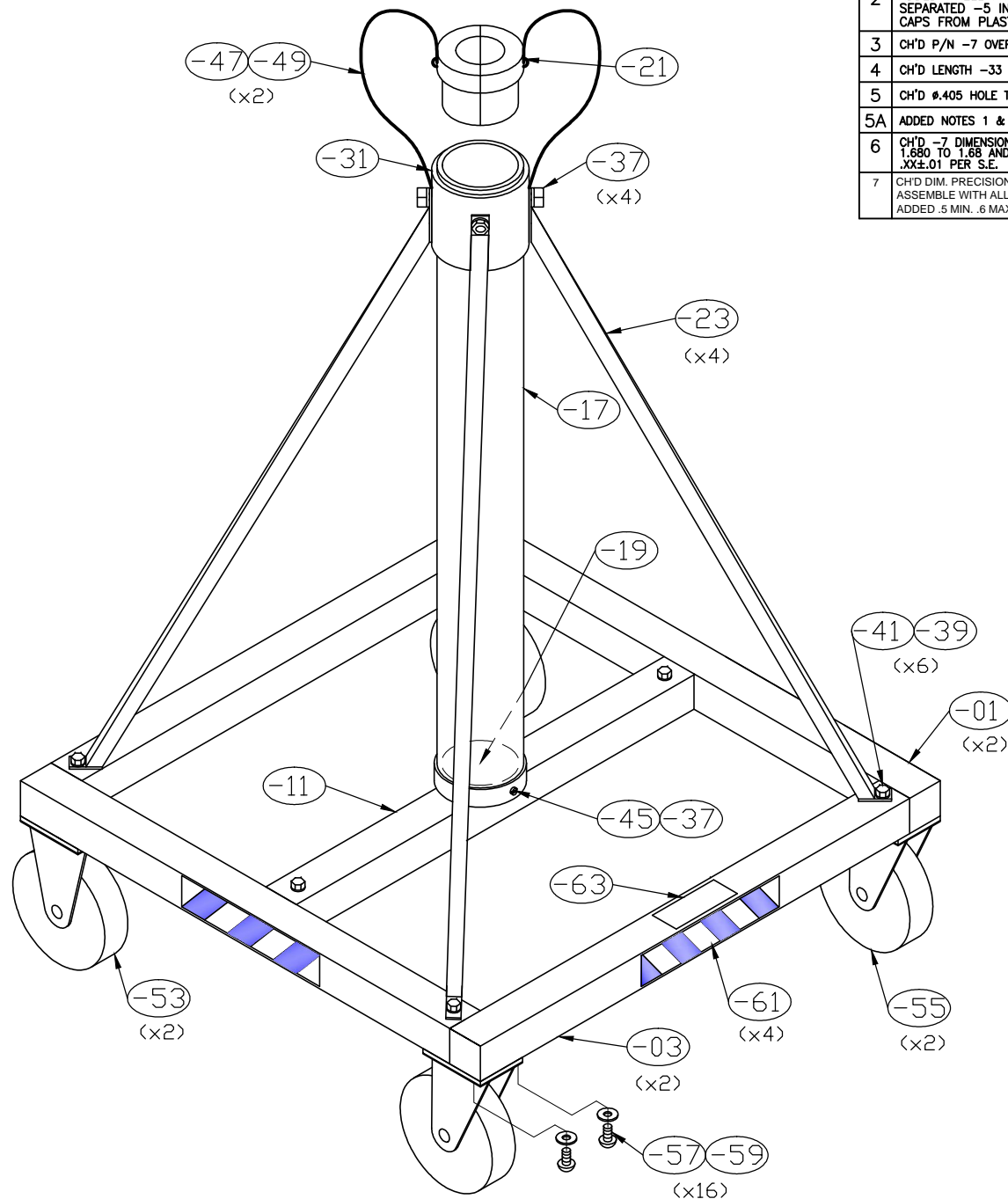


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

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	ADJUSTED -17 TO ALLOW FOR OVERSIZE PLASTIC TUBE CONDITIONS.	11/24/08	WP	RW
2	ADDED WHEEL PADS, CASTORS & HARDWARE & CLEARANCE HOLES PER CUSTOMER REQUEST. SEPARATED -5 INTO -5a & -5b BECAUSE OF CLEARANCE HOLES. ALSO CHANGED TUBE END CAPS FROM PLASTIC OUTWATER #T64-U-2-BLK TO WELDED METAL.	3/2/09	WP	RW
3	CH'D P/N -7 OVERALL LENGTH FROM 4.872 & DIM. TO FIRST FOLD LINE FROM 1.606 PER W.P.	10/27/09	WP	
4	CH'D LENGTH -33 FROM 4.250 TO 3.750 PER D.W.	1/15/10	RJC	RW
5	CH'D Ø.405 HOLE TO A SLOT ON BOTH ENDS -13 PER G.E. MOVED ALL PARTS TO SEPARATE PAGES.	3/3/11	RJC	GE
5A	ADDED NOTES 1 & 2, CH'D ALL HARDWARE TO S.S. & ADDED P/N'S PER R.W.	9/6/11	RJC	RW
6	CH'D -7 DIMENSION FROM 1.825+0.000-.020 TO 1.825+0.000-.025, CH'D 1.500 TO 1.50, CH'D 1.680 TO 1.68 AND ADDED NOTE 1 PER S.E. CH'D TOLERANCE ON ALL SHEETS FROM .XXX ±.005 & .XX±.01 PER S.E.	6/4/12	RJC	SE
7	CH'D DIM. PRECISION FROM .XXX TO .XX ON NON-CRITICAL PARTS. -1, -3 & -23 DELETED NOTE 1 WAS ASSEMBLY WITH ALL TUBE SEAMS ON THE BOTTOM. -5a & -5b DELETED NOTE WAS SEAM ON BOTTOM. -31 ADDED .5 MIN. .6 MAX DIM. -35 CH'D FROM STEEL TO STAINLESS & ADDED DWG TO MODIFY AND NOTE.	8/12/13	RJC	DW

RED BARN MACHINE	
TITLE FIRE SCOUT ROTOR HEAD STAND	
DWG NO. RBT18657	REV 7
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES IN: DECIMALS .XXX ± .010 XX ± .03 X ± .1	
FRACTIONS ± 1/32 ANGLES ± 5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: PERRITT APPROVED: D Weil	
HEAT TREAT FINISH	
SPEC	
USED ON MODEL FIRE SCOUT	
SCALE NTS	DATE 10-3-08
SHEET 1 of 22	

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ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	B/D	PART #	UNIT QTY	DESCRIPTION	MATERIAL	B/D INFORMATION OR SPECIFICATIONS	Pg.
						-1	2	BASE SIDE WELDMENT			3
						-3	2	BASE END WELDMENT			4
						-5a		BASE SIDE TUBE	STEEL SQ. TUBE	2 x 2 x .083 wall x 28 	5
						-5b		BASE TUBE	STEEL SQ. TUBE	2 x 2 x .083 wall x 28 	6
						-7		CLIP	A709 GRADE 36 	14 ga. x 1-1/2 x 4-7/8	7
						-9		WELDNUTS	STEEL	3/8-16 UNC	3&4
						-11	1	BASE CENTER TUBE WELDMENT			8
						-13		BASE CENTER TUBE	STEEL SQ. TUBE	2 x 2 x .083 wall x 26	9
						-15		BASE CENTER TUBE RING	DOM TUBING	Ø4-1/2 x 1/8 wall x 1	10
						-17	1	VERTICAL NYLON TUBE	NATURAL	Ø3-1/2 I.D. x 1/4 wall x 34-5/8 NYLATECH	11
						-19	1	TUBE BOTTOM PLUG	DELRIN	Ø3-1/2 x 1	12
						-21	1	SUPPORT INSERT	DELRIN	Ø4 x 3-1/8	13
						-23	4	BRACE WELDMENT	STEEL 		14
						-25		BRACE TUBE	1018 SQ. TUBE	3/4 x 3/4 x .083 wall x 33	15
						-27		BOTTOM BRACE TAB	A709 GRD 36 	1/8 x 1 x 2-1/16	16
						-29		UPPER BRACE TAB	A709 GRD 36 	1/8 x 1 x 3-1/16	17
						-31	1	TUBE TOP RING WELDMENT			18
						-33		TUBE TOP RING	DOM TUBING	Ø4-1/2 x 1/4 wall x 3-7/8	19
						-35		SOCKET HEAD SET SCREW	S.S.	1/4-20 UNC x 1-1/4 MCMaster-CARR #92313A546	20
						-37	5	NYLOCK NUT	S.S.	1/4-20 UNC MCMaster-CARR #91831A029	1
						-39	6	HEX HEAD CAP SCREWS	S.S.	3/8-16 UNC x 1 MCMaster-CARR #92240A624	1
						-41	6	SPLIT RING LOCK WASHER	S.S.	Ø3/8 MCMaster-CARR #92146A031	1
						-43		BASE TUBE END CAP	A709 GRD 36 	16 ga. (.06) x 1.91 x 1.91	21
						-45	1	HEX HEAD CAP SCREW	S.S.	1/4-20 UNC x 4-3/4 MCMaster-CARR #91257A105	1
						-47	2	BUTTON HEAD CAP SCREW	S.S.	#8-32 UNC x 1/2 MCMaster-CARR #92949A194	1
						-49	2	LANYARD	COATED S.S.	12 in MCMaster-CARR #30345T11	1
						-51		WHEEL PLATE	A709 GRD 36 	1/4 x 2-3/4 x 3-3/4	22
						-53	2	3 in. RIGID CASTER W/BRAKE	POLYURTHANE	APPLIED INDUSTRIAL (MFG: MCT) #1F9303B25002100	1
						-55	2	3 in. SWIVEL CASTER W/BRAKE	POLYURTHANE	APPLIED INDUSTRIAL (MFG: MCT) #2F9803B25002100	1
						-57	16	BUTTON HEAD CAP SCREW	S.S.	5/16-18 UNC x 1/2 MCMaster-CARR #92949A578	1
						-59	16	INTERNAL LOCK WASHER	S.S.	Ø5/16 I.D. MCMaster-CARR #91757A111	1
						-61	4	REFLECTIVE TAPE		2 x 9 MCMaster-CARR #5997T84	1
						-63	1	RB PLACARD		RB41009	1
ASSY	ASSY	ASSY	ASSY	ASSY	ASSY						

#### NOTES

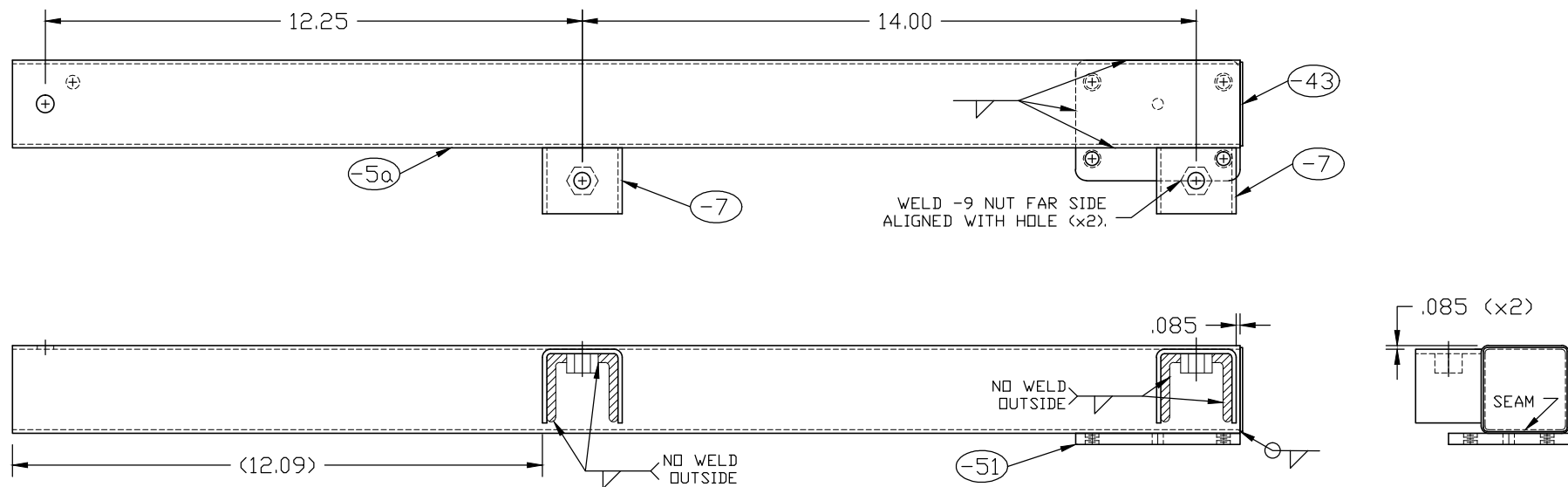
-  THIS IS THE GENERIC PLATE SPEC. FOR WHAT IS COMMONLY REFERRED TO AS 1018.
-  MATERIAL MAY VARY DEPENDING ON COMMERCIAL AVAILABILITY.

 RED BARN MACHINE

TITLE			
FIRE SCOUT ROTOR HEAD STAND			
DWG NO.		RBT18657	REV 7
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: PERRITT	
TOLERANCES ON:		APPROVED <i>D Weid</i>	
DECIMALS		HEAT TREAT	
.XXX ± .010		FINISH	
.XX ± .03		SPEC	
.X ± .1		USED ON MODEL	
FRACTIONS ± 1/32		FIRE SCOUT	
ANGLES ± 5°			
UNLESS OTHERWISE SPECIFIED			
1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R			
2. DIMENSIONAL LIMITS APPLY AFTER PLATING			
SCALE	NTS	DATE	SHEET
		10-3-08	2 of 22

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
7	-1 DELETED NOTE 1 WAS ASSEMBLE WITH ALL TUBE SEAMS ON THE BOTTOM.	8/12/13	RJC
			DW

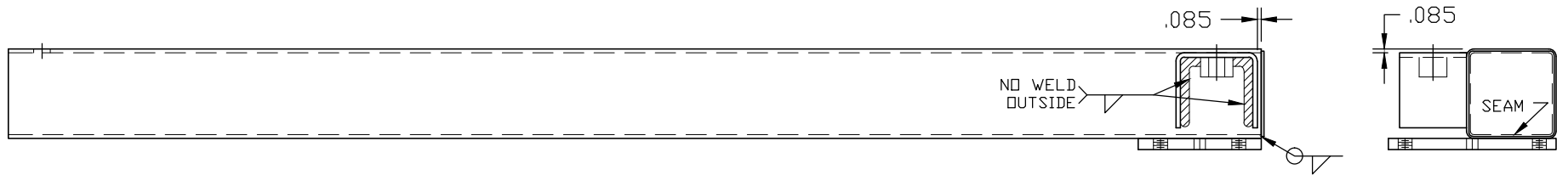
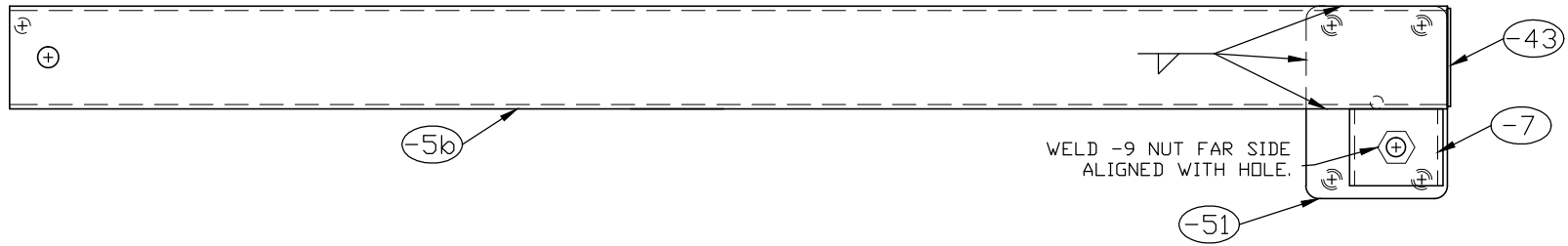


(-1)  
BASE SIDE  
WELDMENT

<b>RED BARN MACHINE</b>	
TITLE FIRE SCOUT ROTOR HEAD STAND	
DWG NO. RBT18657-1	REV 7
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS	FRACTIONS ± 1/32
.XXX ± .010	ANGLES ± 5°
.XX ± .03	
X ± .1	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 10-3-08
SHEET 3 of 22	
DRAWN BY: PERRITT	
APPROVED: <i>D Weil</i>	
HEAT TREAT: POWDER COAT WHITE	
SPEC: USED ON MODEL: FIRE SCOUT	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	ADDED WHEEL PADS, CASTORS & HARDWARE & CLEARANCE HOLES PER CUSTOMER REQUEST. SEPARATED -5 INTO -5a & -5b BECAUSE OF CLEARANCE HOLES. ALSO CHANGED TUBE END CAPS FROM PLASTIC OUTWATER #T64-U-2-BLK TO WELDED METAL.	3/2/09	WP	RW
7	-3 DELETED NOTE 1 WAS ASSEMBLE WITH ALL TUBE SEAMS ON THE BOTTOM.	8/12/13	RJC	DW

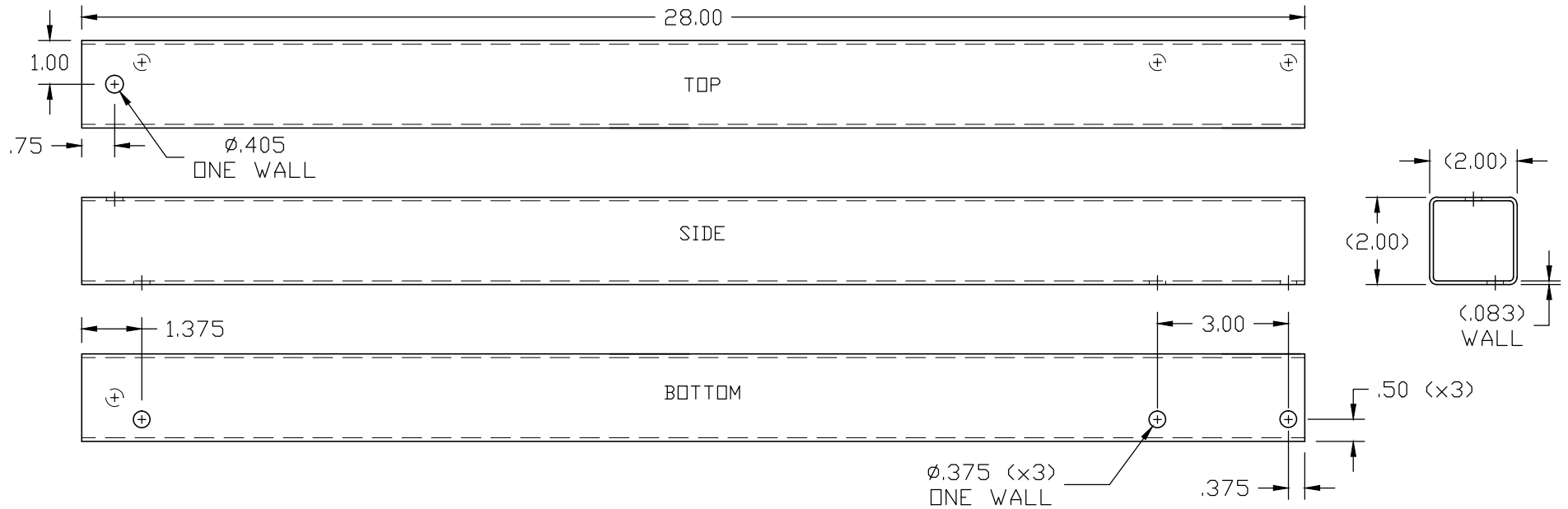


(-3)  
BASE END  
WELDMENT

<b>RED BARN MACHINE</b>	
TITLE <b>FIRE SCOUT ROTOR HEAD STAND</b>	
DWG NO. <b>RBT18657-3</b>	REV <b>7</b>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .010 XX ± .03 X ± .1	DRAWN BY: PERRITT APPROVED: <i>D Weil</i> HEAT TREAT FINISH: POWDER COAT WHITE SPEC
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL FIRE SCOUT
SCALE <b>NTS</b>	DATE <b>10-3-08</b>
SHEET <b>4 of 22</b>	

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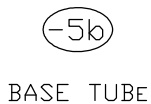
REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	ADDED WHEEL PADS, CASTORS & HARDWARE & CLEARANCE HOLES PER CUSTOMER REQUEST. SEPARATED -5 INTO -5a & -5b BECAUSE OF CLEARANCE HOLES. ALSO CHANGED TUBE END CAPS FROM PLASTIC OUTWATER #T64-U-2-BLK TO WELDED METAL.	3/2/09	WP	RW
7	-5a DELETED NOTE WAS SEAM ON BOTTOM.	8/12/13	RJC	DW




(-5a)  
BASE  
SIDE TUBE

<b>RED BARN MACHINE</b>	
TITLE FIRE SCOUT ROTOR HEAD STAND	
DWG NO. RBT18657-5a	REV 7
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY: PERRITT
TOLERANCES ON: DECIMALS .XXX ± .010 XX ± .03 X ± .1	APPROVED <i>D Weil</i>
FRACTIONS ± 1/32 ANGLES ± 5°	HEAT TREAT FINISH SEE -1 WELDMENT
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	SPEC USED ON MODEL FIRE SCOUT
SCALE NTS	DATE 10-3-08
SHEET 5 of 22	

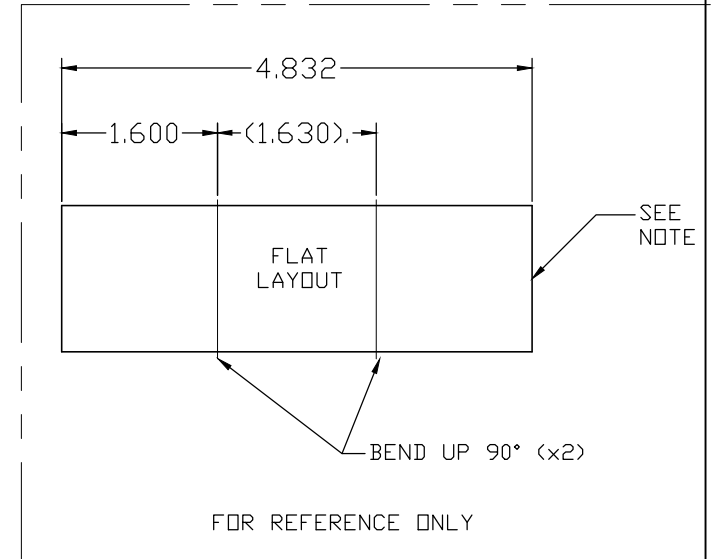
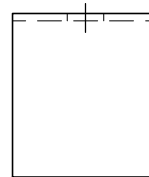
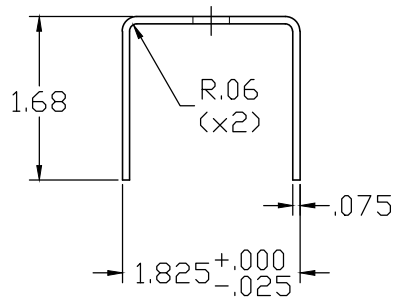
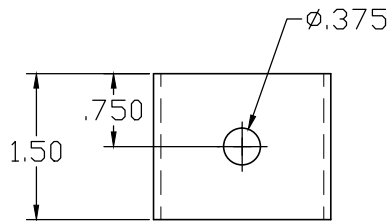
REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	ADDED WHEEL PADS, CASTORS & HARDWARE & CLEARANCE HOLES PER CUSTOMER REQUEST. SEPARATED -5 INTO -5a & -5b BECAUSE OF CLEARANCE HOLES. ALSO CHANGED TUBE END CAPS FROM PLASTIC OUTWATER #T64-U-2-BLK TO WELDED METAL.	3/2/09	WP	RW
7	-5b DELETED NOTE WAS SEAM ON BOTTOM.	8/12/13	RJC	DW



 <b>RED BARN MACHINE</b>			
<b>TITLE</b> FIRE SCOUT ROTOR HEAD STAND			
<b>DWG NO.</b> RBT18657-5b		<b>REV</b> 7	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .010 .XX ± .03 .X ± .05 FRACTIONS ± 1/32 ANGLES ± 5°		<b>DRAWN BY:</b> PERRITT <b>APPROVED</b> <i>D. Med</i> HEAT TREATED FINISH SEE -3 WELDMENT	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		<b>SPEC</b> USED ON MODEL FIRE SCOUT	
<b>SCALE</b> NTS	<b>DATE</b> 10-3-08	<b>SHEET</b> 6 of 22	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	ADDED WHEEL PADS, CASTORS & HARDWARE & CLEARANCE HOLES PER CUSTOMER REQUEST. SEPARATED -5 INTO -5a & -5b BECAUSE OF CLEARANCE HOLES. ALSO CHANGED TUBE END CAPS FROM PLASTIC OUTWATER #T64-U-2-BLK TO WELDED METAL.	3/2/09	WP	RW
6	CH'D -7 DIMENSION FROM 1.825+.000-.020 TO 1.825+.000-.025, CH'D 1.500 TO 1.50, CH'D 1.680 TO 1.68 AND ADDED NOTE 1 PER S.E.	6/4/12	RJC	SE



#### NOTES

1. FLAT LAYOUT IS FOR REFERENCE ONLY.

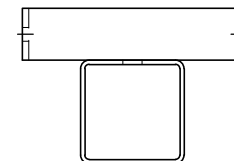
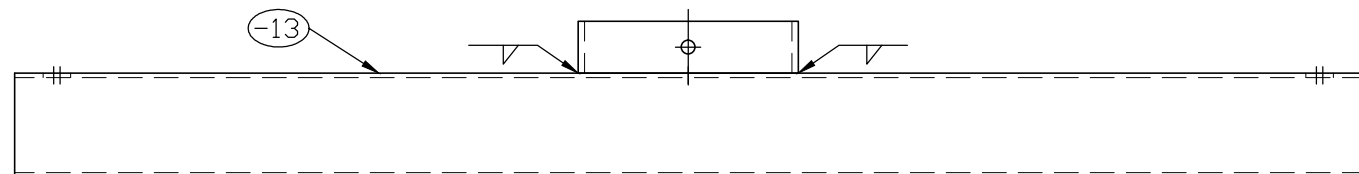
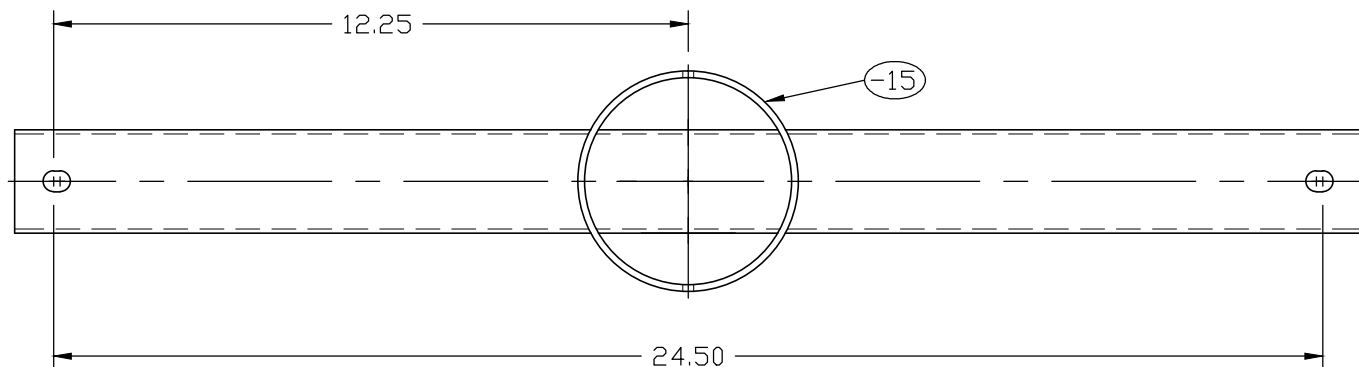
-7

CLIP

<b>RED BARN MACHINE</b>	
TITLE <b>FIRE SCOUT ROTOR HEAD STAND</b>	
DWG NO. <b>RBT18657-7</b>	REV <b>7</b>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS XXX ± .010 XX ± .03 X ± .1	DRAWN BY: PERRITT APPROVED: <i>D Weil</i> HEAT TREAT FINISH SEE -1 & -3 WELDMENT SPEC
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL <b>FIRE SCOUT</b>
SCALE <b>NTS</b>	DATE <b>10-3-08</b>
SHEET <b>7 of 22</b>	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	ADJUSTED -17 TO ALLOW FOR OVERSIZE PLASTIC TUBE CONDITIONS.	11/24/08	WP	RW
5	CH'D Ø.405 HOLE TO A SLOT ON BOTH ENDS -13 PER G.E.	3/3/11	RJC	-



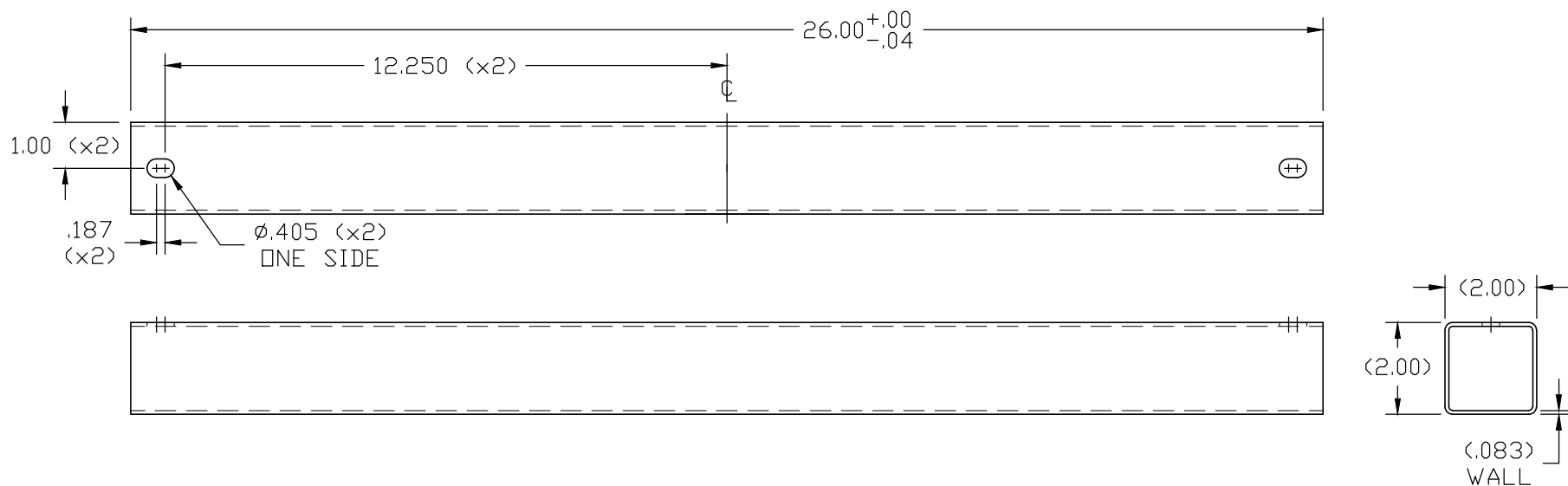
-11  
BASE CENTER  
TUBE WELDMENT

<b>RED BARN MACHINE</b>	
TITLE FIRE SCOUT ROTOR HEAD STAND	
DWG NO. RBT18657-11	REV 7
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY: PERRITT
TOLERANCES ON:	APPROVED <i>D Weil</i>
DECIMALS XXX ± .010	HEAT TREAT
XX ± .03	FINISH POWDER COAT WHITE
X ± .1	SPEC
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL FIRE SCOUT
SCALE NTS	DATE 10-3-08 SHEET 8 of 22



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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	ADJUSTED -17 TO ALLOW FOR OVERSIZE PLASTIC TUBE CONDITIONS.	11/24/08	WP	RW
5	CH'D Ø.405 HOLE TO A SLOT ON BOTH ENDS -13 PER G.E. MOVED ALL PARTS TO SEPARATE PAGES.	3/3/11	RJC	

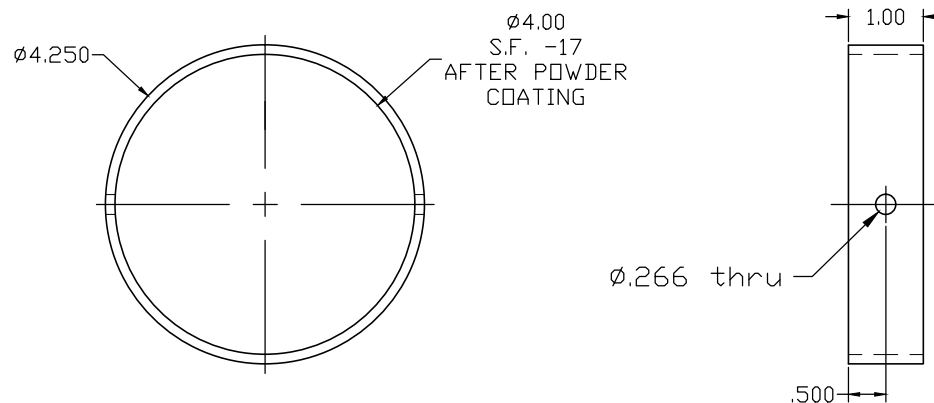


(-13)  
CENTER  
BASE TUBE

<b>RED BARN MACHINE</b>	
TITLE <b>FIRE SCOUT ROTOR HEAD STAND</b>	
DWG NO. <b>RBT18657-13</b>	REV <b>7</b>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .010 XX ± .03 X ± .1	DRAWN BY: PERRITT APPROVED: <i>D Weil</i> HEAT TREAT FINISH SEE -11 WELDMENT SPEC USED ON MODEL FIRE SCOUT
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE <b>NTS</b>	DATE <b>10-3-08</b>
SHEET <b>9 of 22</b>	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	ADJUSTED -17 TO ALLOW FOR OVERSIZE PLASTIC TUBE CONDITIONS.	11/24/08	WP	RW
5	CH'D Ø.405 HOLE TO A SLOT ON BOTH ENDS -13 PER G.E.	3/3/11	RJC	-



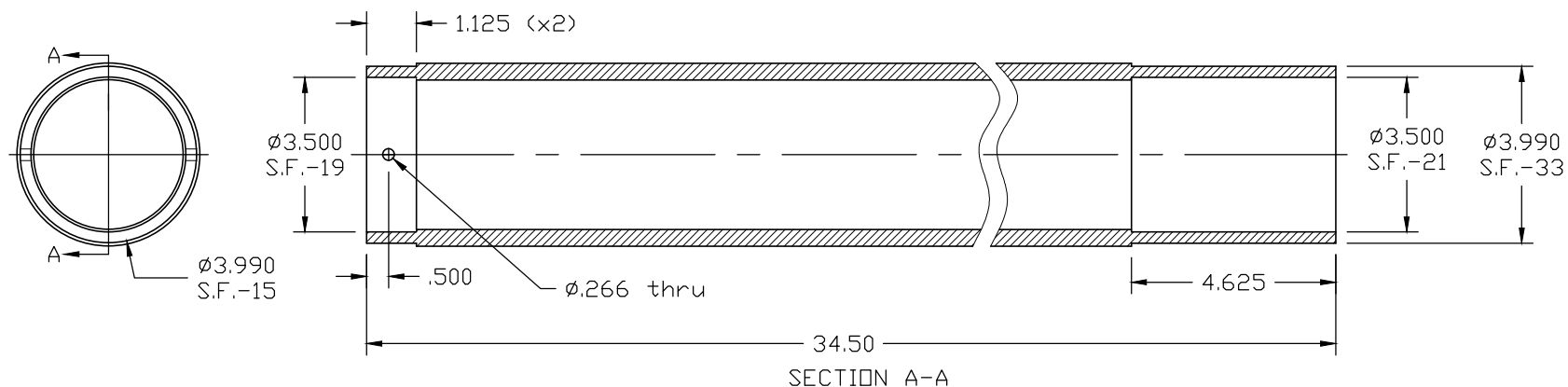
(-15)

TUBE CENTER  
RING


<b>RED BARN MACHINE</b>	
TITLE FIRE SCOUT ROTOR HEAD STAND	
DWG NO. RBT18657-15	REV 7
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY: PERRITT
TOLERANCES ON: DECIMALS .XXX ± .010 .XX ± .03 .X ± .1	APPROVED <i>D Weil</i>
FRACTIONS ± 1/32 ANGLES ± 5°	HEAT TREAT FINISH SEE -11 WELDMENT
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	SPEC USED ON MODEL FIRE SCOUT
SCALE NTS	DATE 10-3-08 SHEET 10 of 22

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	ADJUSTED -17 TO ALLOW FOR OVERSIZE PLASTIC TUBE CONDITIONS.	11/24/08	WP	RW
5	CH'D Ø.405 HOLE TO A SLOT ON BOTH ENDS -13 PER G.E.	3/3/11	RJC	-

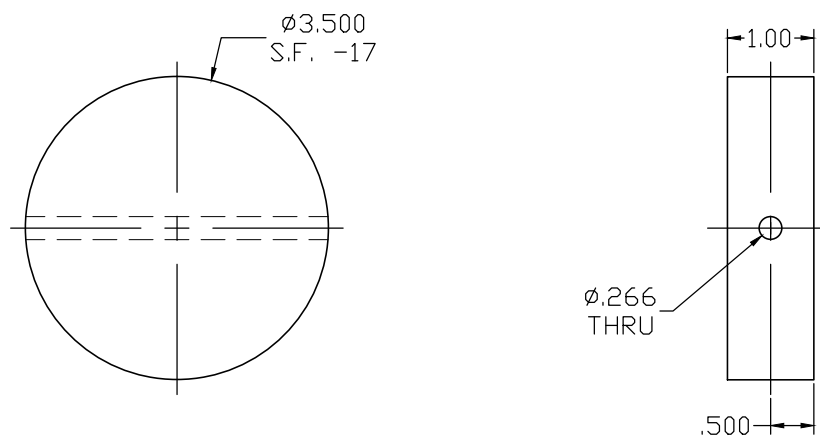


(-17)  
VERTICAL TUBE

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> FIRE SCOUT ROTOR HEAD STAND	
<b>DWG NO.</b> RBT18657-17	<b>REV</b> 7
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .010 .XX ± .03 .X ± .1	
FRACTIONS ± 1/32 ANGLES ± 5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: PERRITT APPROVED: <i>D Weil</i> HEAT TREAT FINISH SPEC USED ON MODEL FIRE SCOUT	
SCALE NTS	DATE 10-3-08 SHEET 11 of 22

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	ADJUSTED -17 TO ALLOW FOR OVERSIZE PLASTIC TUBE CONDITIONS.	11/24/08	WP	RW
5	CH'D Ø.405 HOLE TO A SLOT ON BOTH ENDS -13 PER G.E.	3/3/11	RJC	-



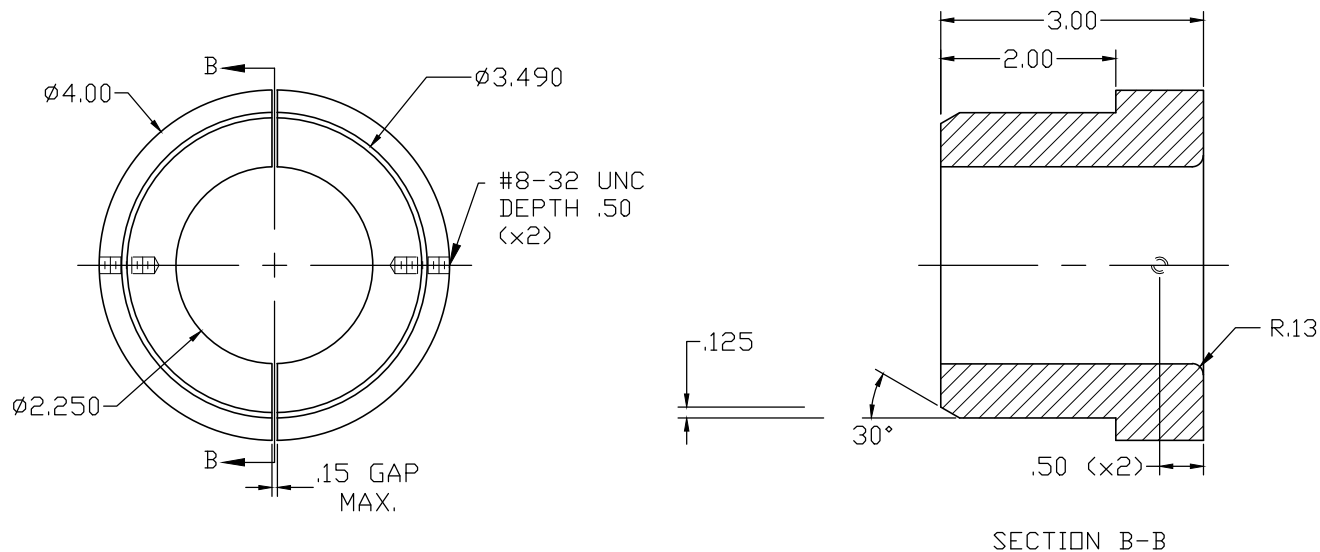
(-19)

TUBE BOTTOM  
PLUG

<b>RED BARN MACHINE</b>	
TITLE FIRE SCOUT ROTOR HEAD STAND	
DWG NO. RBT18657-19	REV 7
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY: PERRITT
TOLERANCES ON: DECIMALS .XXX ± .010 XX ± .03 X ± .1	APPROVED <i>D Weil</i>
FRACTIONS ± 1/32 ANGLES ± 5°	HEAT TREAT FINISH
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	SPEC
SCALE NTS	USED ON MODEL FIRE SCOUT
DATE 10-3-08	SHEET 12 of 22

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	ADJUSTED -17 TO ALLOW FOR OVERSIZE PLASTIC TUBE CONDITIONS.	11/24/08	WP	RW
5	CH'D Ø.405 HOLE TO A SLOT ON BOTH ENDS -13 PER G.E.	3/3/11	RJC	-

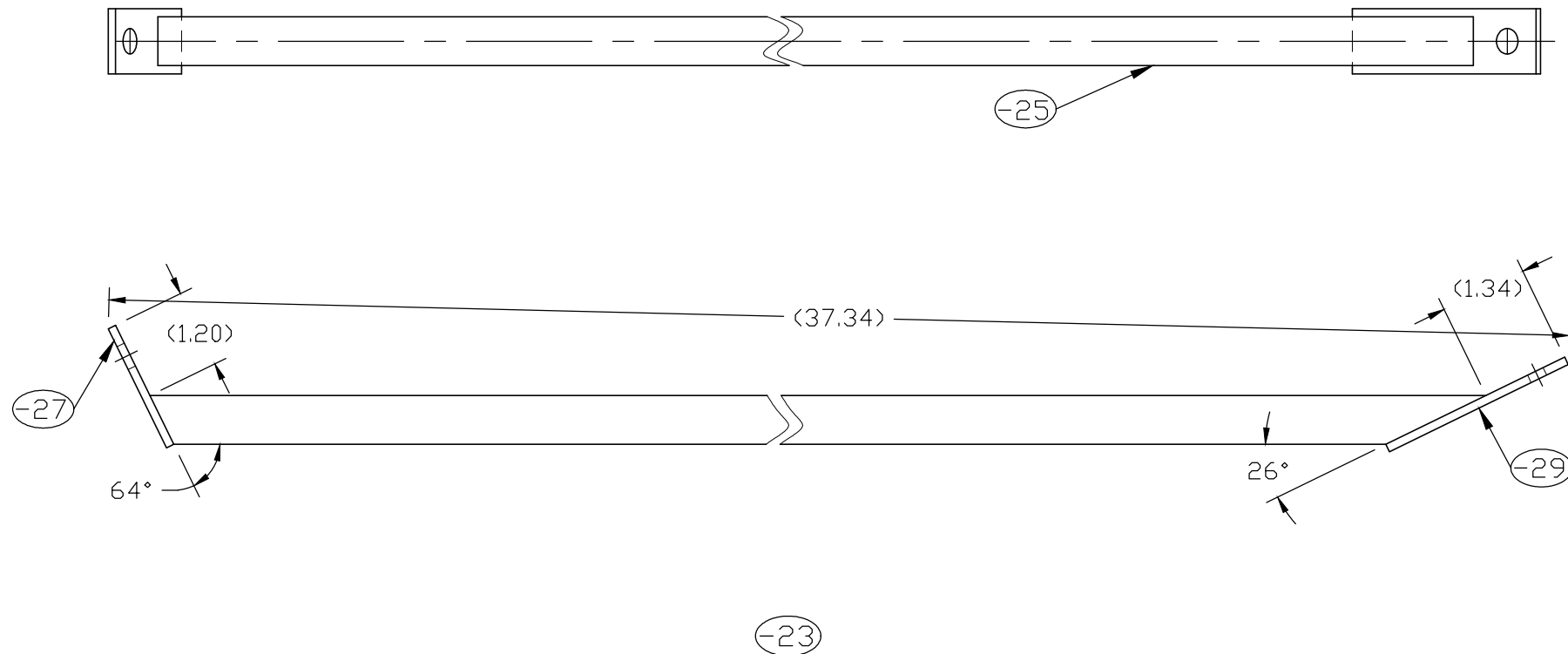


(-21)  
SUPPORT INSERT  
(2 HALVES)

<b>RED BARN MACHINE</b>	
TITLE FIRE SCOUT ROTOR HEAD STAND	
DWG NO. RBT18657-21	REV 7
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .010 XX ± .03 X ± .1	DRAWN BY: PERRITT APPROVED: <i>D Weil</i> HEAT TREAT FINISH SPEC
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL FIRE SCOUT
SCALE NTS	DATE 10-3-08 SHEET 13 of 22

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
3	CH'D P/N -7 OVERALL LENGTH FROM 4.872 & DIM. TO FIRST FOLD LINE FROM 1.606 PER W.P.	10/27/09	WP	
4	CH'D LENGTH -33 FROM 4.250 TO 3.750 PER D.W.	1/15/10	RJC	RW
7	-23 DELETED NOTE 1 WAS ASSEMBLE WITH ALL TUBE SEAMS ON THE BOTTOM.	8/12/13	RJC	DW

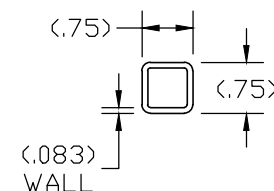
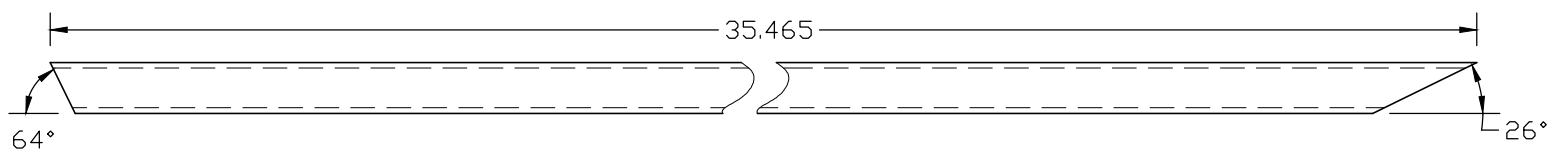


(-23)  
BRACE WELDMENT

<b>RED BARN MACHINE</b>	
TITLE FIRE SCOUT ROTOR HEAD STAND	
DWG NO. RBT18657-23	REV 7
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY: PERRITT
TOLERANCES ON: DECIMALS .XXX ± .010 .XX ± .03 .X ± .1	APPROVED <i>D. Weil</i>
FRACTIONS ± 1/32 ANGLES ± 5°	HEAT TREAT FINISH POWDER COAT WHITE
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	SPEC USED ON MODEL FIRE SCOUT
SCALE NTS	DATE 10-3-08 SHEET 14 of 22

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
3	CH'D P/N -7 OVERALL LENGTH FROM 4.872 & DIM. TO FIRST FOLD LINE FROM 1.606 PER W.P.	10/27/09	WP	
4	CH'D LENGTH -33 FROM 4.250 TO 3.750 PER D.W.	1/15/10	RJC	RW



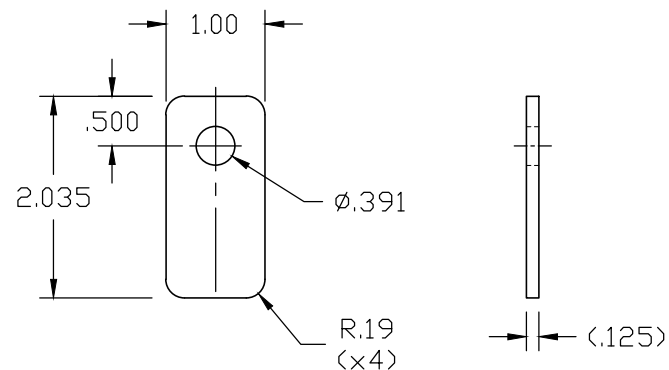
(-25)

SUPPORT TUBE

<b>RED BARN MACHINE</b>	
<b>TITLE</b> FIRE SCOUT ROTOR HEAD STAND	
<b>DWG NO.</b> RBT18657-25	<b>REV</b> 7
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	<b>DRAWN BY:</b> PERRITT
TOLERANCES ON: DECIMALS .XXX ± .010 .XX ± .03 .X ± .1	<b>APPROVED</b> <i>D Weil</i>
FRACTIONS ± 1/32 ANGLES ± 5°	<b>HEAT TREAT FINISH</b> SEE -23 WELDMENT
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>SPEC</b> USED ON MODEL FIRE SCOUT
<b>SCALE</b> NTS	<b>DATE</b> 10-3-08 <b>SHEET</b> 15 of 22


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
3	CH'D P/N -7 OVERALL LENGTH FROM 4.872 & DIM. TO FIRST FOLD LINE FROM 1.606 PER W.P.	10/27/09	WP	
4	CH'D LENGTH -33 FROM 4.250 TO 3.750 PER D.W.	1/15/10	RJC	RW



(-27)

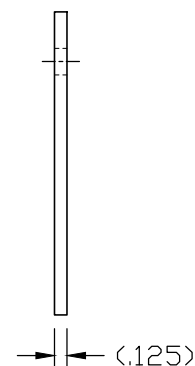
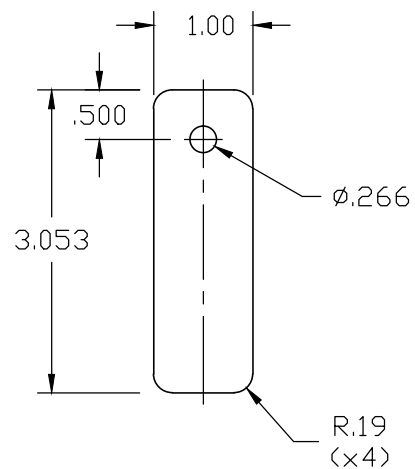
BOTTOM  
BRACE TAB

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> FIRE SCOUT ROTOR HEAD STAND	
<b>DWG NO.</b> RBT18657-27	<b>REV</b> 7
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .010 XX ± .03 X ± .1	<b>DRAWN BY:</b> PERRITT <b>APPROVED</b> <i>D Weil</i> <b>HEAT TREAT FINISH</b> SEE -23 WELDMENT <b>SPEC</b>
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>USED ON MODEL</b> FIRE SCOUT
<b>SCALE</b> NTS	<b>DATE</b> 10-3-08 <b>SHEET</b> 16 of 22




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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
3	CH'D P/N -7 OVERALL LENGTH FROM 4.872 & DIM. TO FIRST FOLD LINE FROM 1.606 PER W.P.	10/27/09	WP	
4	CH'D LENGTH -33 FROM 4.250 TO 3.750 PER D.W.	1/15/10	RJC	RW



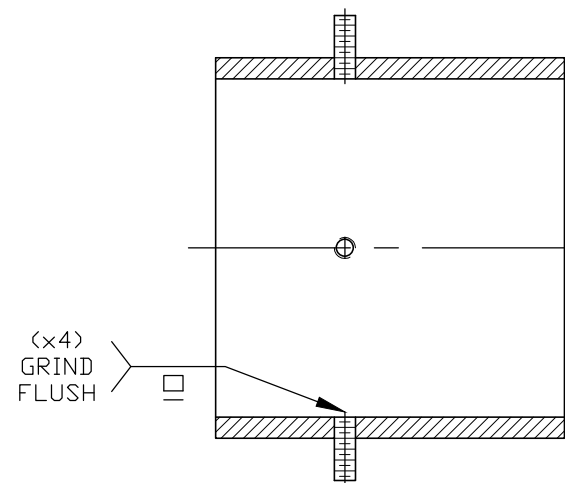
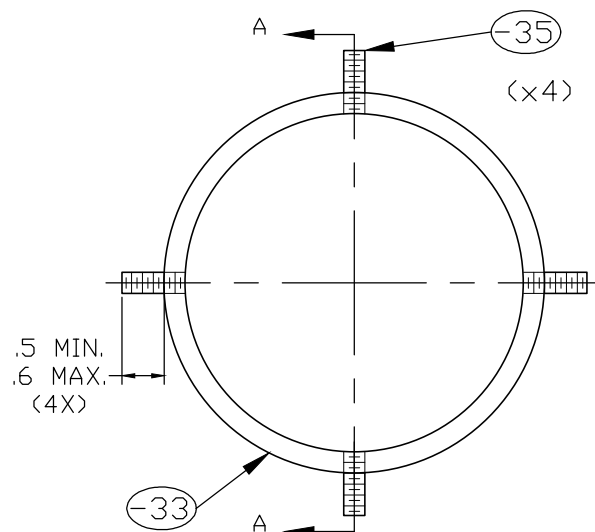
(-29)

UPPER  
BRACE TAB

 RED BARN MACHINE	
TITLE FIRE SCOUT ROTOR HEAD STAND	
DWG NO. RBT18657-29	REV 7
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY: PERRITT
TOLERANCES ON: DECIMALS .XXX ± .010 .XX ± .03 .X ± .1	APPROVED <i>D Weil</i>
FRACTIONS ± 1/32 ANGLES ± 5°	HEAT TREAT FINISH SEE -23 WELDMENT
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	SPEC USED ON MODEL FIRE SCOUT
SCALE NTS	DATE 10-3-08 SHEET 17 of 22

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
3	CH'D P/N -7 OVERALL LENGTH FROM 4.872 & DIM. TO FIRST FOLD LINE FROM 1.606 PER W.P.	10/27/09	WP	
4	CH'D LENGTH -33 FROM 4.250 TO 3.750 PER D.W.	1/15/10	RJC	RW
7	-31 ADDED .5 MIN. .6 MAX DIM.	8/12/13	RJC	DW



SECTION A-A

(-31)  
TUBE TOP  
RING WELDMENT

NOTES:

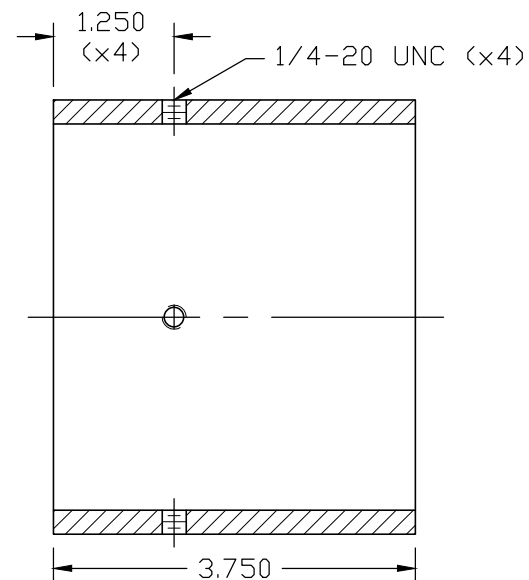
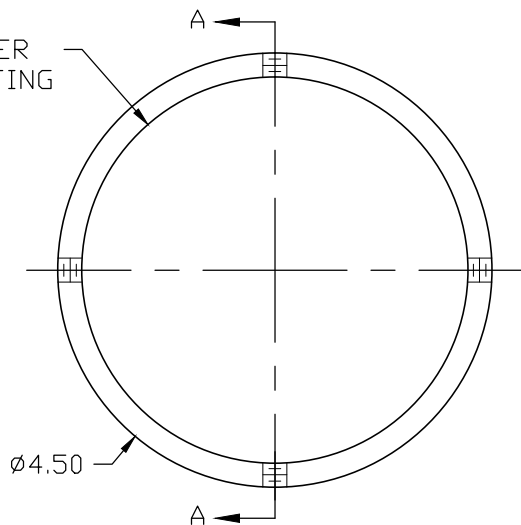
1. TAPE -35 SCREW THREADS PRIOR TO POWDER COATING.

<b>RED BARN MACHINE</b>	
TITLE <b>FIRE SCOUT ROTOR HEAD STAND</b>	
DWG NO. <b>RBT18657-31</b>	REV <b>7</b>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY: <b>PERRITT</b>
TOLERANCES ON: DECIMALS .XXX ± .010 .XX ± .03 .X ± .1	APPROVED <i>D Weil</i>
FRACTIONS ± 1/32 ANGLES ± 5°	HEAT TREAT FINISH <b>POWDER COAT WHITE</b>
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	SPEC <b>USED ON MODEL FIRE SCOUT</b>
SCALE <b>NTS</b>	DATE <b>10-3-08</b> SHEET <b>18 of 22</b>

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
3	CH'D P/N -7 OVERALL LENGTH FROM 4.872 & DIM. TO FIRST FOLD LINE FROM 1.606 PER W.P.	10/27/09	WP	
4	CH'D LENGTH -33 FROM 4.250 TO 3.750 PER D.W.	1/15/10	RJC	RW

Ø4.000  
S.F.-17 AFTER  
POWDER COATING



SECTION A-A

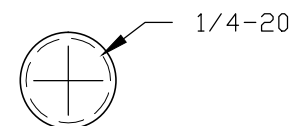
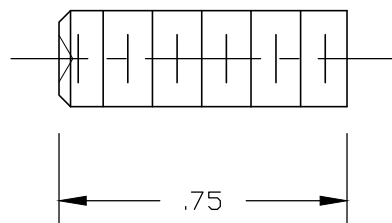
(-33)

TUBE TOP  
RING

<b>RED BARN MACHINE</b>	
TITLE FIRE SCOUT ROTOR HEAD STAND	
DWG NO. RBT18657-33	REV 7
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES IN: DECIMALS .XXX ± .010 .XX ± .03 .X ± .1	DRAWN BY: PERRITT APPROVED: <i>D Weil</i> HEAT TREAT FINISH SEE -31 WELDMENT SPEC
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL FIRE SCOUT
SCALE NTS	DATE 10-3-08 SHEET 19 of 22

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
3	CH'D P/N -7 OVERALL LENGTH FROM 4.872 & DIM. TO FIRST FOLD LINE FROM 1.606 PER W.P.	10/27/09	WP	
4	CH'D LENGTH -33 FROM 4.250 TO 3.750 PER D.W.	1/15/10	RJC	RW
7	-35 CH'D FROM STEEL TO STAINLESS & ADDED DWG TO MODIFY AND NOTE.	8/12/13	RJC	DW



(-35)

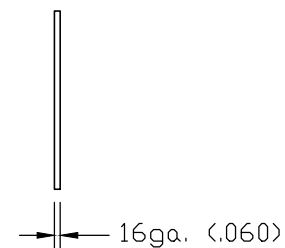
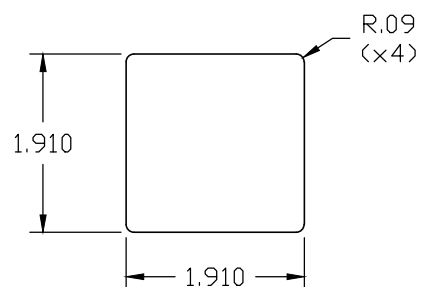
SOCKET HEAD SET SCREW

NOTE:  
CUT TO LENGTH FROM SOCKET END.

 RED BARN MACHINE	
TITLE FIRE SCOUT ROTOR HEAD STAND	
DWG NO. RBT18657-35	REV 7
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .010 XX ± .03 X ± .1	DRAWN BY: PERRITT APPROVED <i>D Weil</i> HEAT TREAT FINISH SPEC
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL FIRE SCOUT
SCALE NTS	DATE 10-3-08 SHEET 20 of 22


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
3	CH'D P/N -7 OVERALL LENGTH FROM 4.872 & DIM. TO FIRST FOLD LINE FROM 1.606 PER W.P.	10/27/09	WP	
4	CH'D LENGTH -33 FROM 4.250 TO 3.750 PER D.W.	1/15/10	RJC	RW



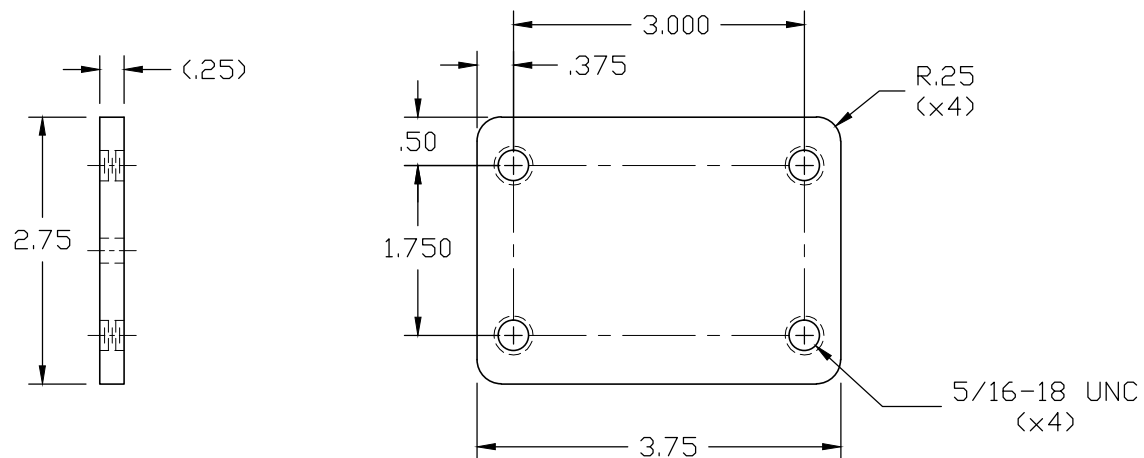
-43

BASE TUBE  
END CAPS

 RED BARN MACHINE	
TITLE FIRE SCOUT ROTOR HEAD STAND	
DWG NO. RBT18657-43	REV 7
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY: PERRITT
TOLERANCES ON: DECIMALS .XXX ± .010 .XX ± .03 .X ± .1	APPROVED <i>D Weil</i>
FRACTIONS ± 1/32 ANGLES ± 5°	HEAT TREAT FINISH SEE -1 & -3 WELDMENT
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	SPEC USED ON MODEL FIRE SCOUT
SCALE NTS	DATE 10-3-08 SHEET 21 of 22

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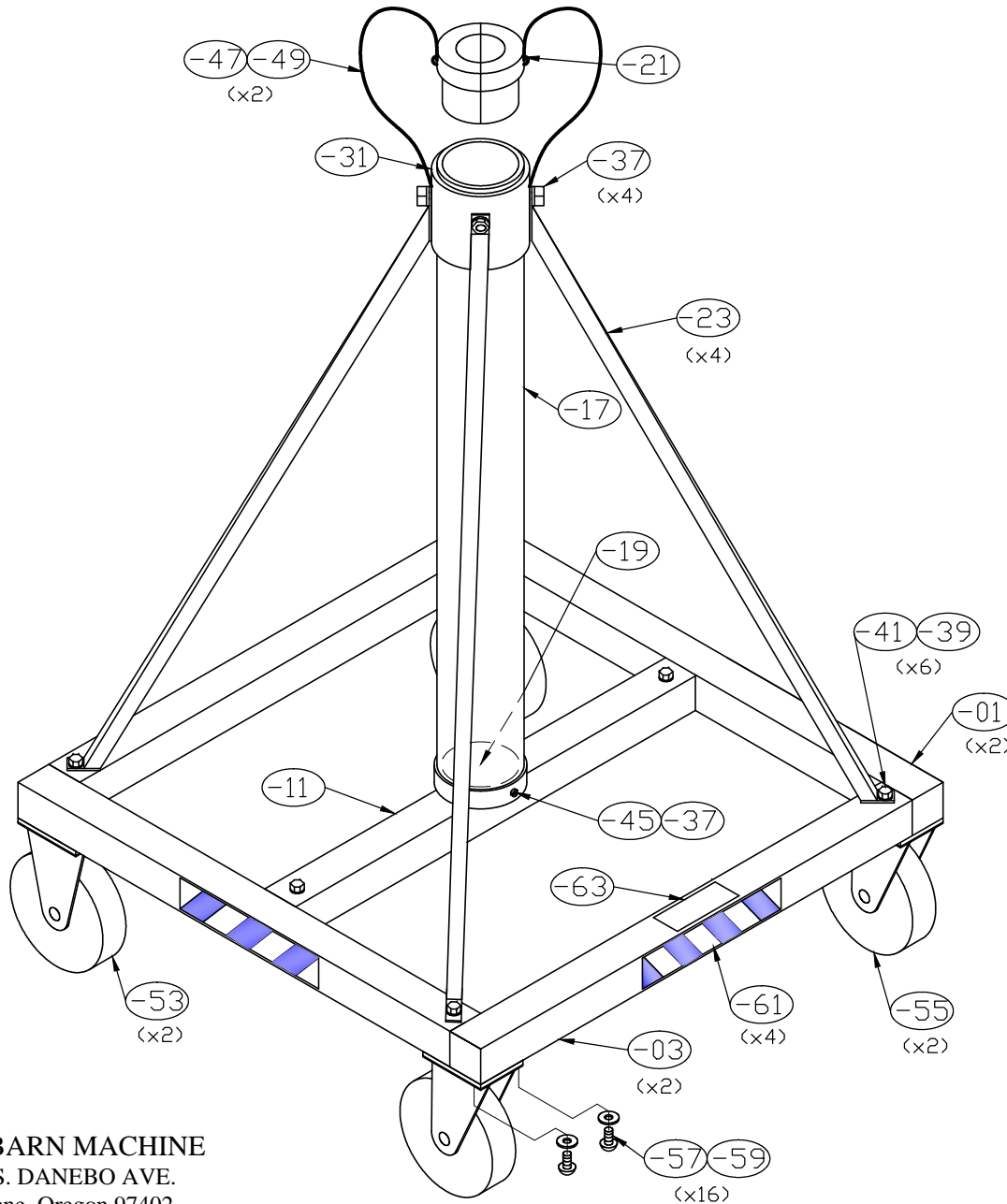
REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
3	CH'D P/N -7 OVERALL LENGTH FROM 4.872 & DIM. TO FIRST FOLD LINE FROM 1.606 PER W.P.	10/27/09	WP	
4	CH'D LENGTH -33 FROM 4.250 TO 3.750 PER D.W.	1/15/10	RJC	RW



(-51)  
WHEEL PLATE

<b>RED BARN MACHINE</b>	
TITLE FIRE SCOUT ROTOR HEAD STAND	
DWG NO. RBT18657-51	REV 7
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .010 XX ± .03 X ± .1	DRAWN BY: PERRITT APPROVED: <i>D Weil</i> HEAT TREAT FINISH SEE -1 & -3 WELDMENT SPEC
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL FIRE SCOUT
SCALE NTS	DATE 10-3-08 SHEET 22 of 22

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**RED BARN MACHINE**

TITLE

FIRE SCOUT ROTOR HEAD STAND

DWG NO.

RBT18657

PART #	UNIT QTY	DESCRIPTION
-1	2	BASE SIDE
-3	2	BASE END
-11	1	BASE CENTER
-17	1	VERTICAL TUBE
-19	1	VERTICAL TUBE BOTTOM
-21	1	SUPPORT INSERT
-23	4	SIDE BRACE
-31	1	TOP RING
-37	5	LOCK NUT
-39	6	HEX SCREWS
-41	10	LOCK WASHERS
-43	4	BASE END CAPS
-45	1	HEX SCREW
-47	2	SCREWS
-49	2	LANYARDS
-53	2	RIGID CASTER W/BRAKE
-55	2	SWIVEL CASTER W/BRAKE
-57	16	SCREWS
-59	16	LOCK WASHERS
-61	4	REFLECTIVE TAPE

**RED BARN MACHINE**

190 S. DANEBO AVE.

Eugene, Oregon 97402

(541) 344-9953; fax (541) 344-3863

e-mail; sales@redbarn.net

# RED BARN MACHINE

TITLE INSPECTION & TESTING PROCEDURES FOR  
THE FIRE SCOUT ROTOR HEAD STAND ASSEMBLY

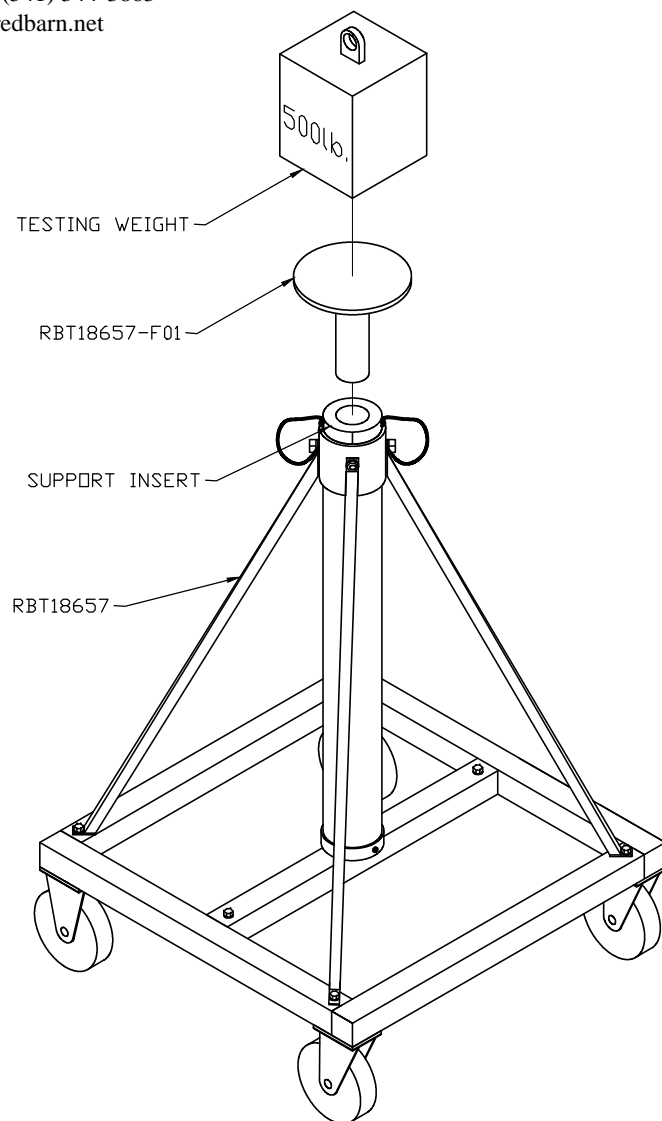
TOOL NO. RBT18657-TEST

## RED BARN MACHINE

190 S. DANEBO AVE., Eugene, Oregon 97402

(541) 344-9953; fax (541) 344-3863

e-mail; sales@redbarn.net



INSPECTION & TESTING PROCEDURES FOR THE RBT18675 ROTOR HEAD STAND ASSEMBLY. THE RBT18657 IS DESIGNED FOR HOLDING THE FIRE SCOUT ROTOR HEAD DURING MAINTENANCE PROCEDURES. THIS ASSEMBLY SHOULD BE INSPECTED BEFORE AND AFTER EACH USE.

REPLACE ANY ITEMS THAT ARE DAMAGED OR SUSPECTED OF DAMAGE BEFORE USING!

### 91 DAY INSPECTION:

1. CLEAN ENTIRE UNIT AND REMOVE CORROSION.
2. CHECK THE ENTIRE UNIT FOR DAMAGE, CRACKS, AND DISTORTIONS.
3. CHECK ALL BOLTS FOR TIGHTNESS, AND DAMAGE. TIGHTEN OR REPLACE IF NECESSARY.
4. CHECK THE SUPPORT INSERT ASSEMBLY FOR CRACKS AND DAMAGE.
5. CHECK ALL WELDS FOR CRACKING AND DISTORTION.
6. CHECK ALL WHEELS FOR CRACKS AND SMOOTHNESS OF OPERATION.
7. LUBRICATE WHEELS WITH MIL-L-7870 GENERAL PURPOSE OIL. REPAINT IF NECESSARY.

IF ANY DAMAGE IS FOUND, REPAIR OR REPLACE THE UNIT.

### 3 YEAR WEIGHT TESTING:

1. PLACE THE RBT18657-F01 TESTING FIXTURE INTO THE SUPPORT INSERT.
2. PLACE A 500 lb. TESTING WEIGHT ON TOP OF THE TEXTING FIXTURE FOR 5 MINUTES WHILE EXAMINING THE ROTOR HEAD STAND FOR CRACKS OR DISTORTIONS.
3. AFTER 5 MINUTES REMOVE THE TESTING WEIGHT AND FIXTURE.
4. RE-INSPECT ENTIRE ASSEMBLY.



